

9

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 98-079
NPDES PERMIT NO. CA 0030121

WASTE DISCHARGE REQUIREMENTS FOR:

BAY SHIP & YACHT COMPANY
ALAMEDA, ALAMEDA COUNTY

U. S. NATIONAL PARK SERVICE
SAN FRANCISCO COUNTY

The California Regional Water Quality Control Board, San Francisco Bay, hereinafter Board, finds that:

1. Bay Ship & Yacht Company, herein after the discharger, submitted a Report of Waste Discharge dated February 20, 1998, for issuance of new waste discharge requirements and a permit to discharge non-process wastewater to waters of the State and the United States under the National Pollutant Discharge Elimination System (NPDES).
2. The discharger leases property at 2900 Main Street in Alameda owned by Alameda Gateway Limited. The discharger builds, repairs, and performs maintenance on various seagoing vessels.
3. The operations at the facility include submersion of a dry dock by flooding the dry dock ballast tanks with seawater, maneuvering ships onto dock, then raising the dock by discharging seawater from the ballast tanks so that the ships are no longer in the water. The discharge of the ballast tanks consists of an aggregate volume of up to 2.5 million gallons of seawater and is specifically allowed under this Order. The use of the dry dock allows removal of barnacles, encrustations, and old paint from ship hulls that would otherwise be inaccessible underwater. Repairs to ship hulls would also be possible once the ship is resting on the dry dock.
4. The potential discharges from the dry dock consist of the spent abrasives and paint residues which remain after sweeping on the floating dock. These wastes may be carried into the bay when the dry dock is flooded for release of the vessel being serviced.
5. Named Dischargers: Bay Ship & Yacht Company operates the facility, and is named as a primary discharger.

The dry dock #1 is owned by the U. S. National Park Service who leased this facility to Bay Ship & Yacht Company.

The U.S. National Park Service will be responsible for compliance with this order only if the Board or Executive Officer finds that Bay Ship & Yacht Company has failed to comply with the requirements of this Order and the dry dock owner has been given notice of the lack of compliance and an opportunity to obtain compliance by Bay Ship & Yacht Company.

6. The subject of this Order is limited to the discharge of pollutants from the dry dock as described in the Finding 4. In addition, process wastewater used in ship repair process, sewage from the vessels, and non-contact cooling water will also be collected either in the dry dock sumps or pumped directly to the sewer collection system. Process waters will not be discharged to the Oakland Inner Harbor and will be discharged into the East Bay Municipal Utility District's wastewater treatment plant through a separate sewer connection.
7. The discharger also discharges storm water from the facility and the dry dock. For storm water, the discharger filed a Notice of Intent for coverage under General Permit No. CAS000001 for discharge of storm water from areas affected by industrial activity in Alameda County.
8. The Board adopted a revised Water Quality Control Plan for the San Francisco Basin (Basin Plan) on June 21, 1995. This updated and consolidated plan represents the Board's master water quality control planning document. The revised Basin Plan was approved by the State Water Resources Control Board (State Board) and the Office Administrative Law on July 20 and November 13, 1995. The Basin Plan identifies beneficial uses and water quality objectives for waters of the State, including surface and ground waters, as well as effluent limitations and discharge prohibitions intended to protect beneficial uses.
9. The beneficial uses of the lower San Francisco Bay are:
 - Industrial Service Supply
 - Navigation
 - Water Contact Recreation
 - Non-contact Water Recreation
 - Ocean Commercial and Sport Fishing
 - Wildlife Habitat
 - Preservation of Rare and Endangered Species
 - Fish Migration
 - Fish Spawning
 - Shellfish Harvesting
 - Estuarine Habitat
10. Effluent limitations and toxic effluent standards established pursuant to Section 301, 304, and 307 of the Clean Water Act and amendments thereto are applicable to the discharge.

11. This Order serves as an NPDES permit, issuance of which is exempt from the provisions of Chapter 3 (commencing with Section 21100 of Division 13) of the Public Resources Code (CEQA) pursuant to Section 13389 of the Water Code.
12. The Board has notified the discharger and interested agencies and persons of its intent to issue waste discharge requirements, and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
13. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions:

1. Direct discharge of domestic sanitary waste to surface waters of the state is prohibited.
2. Discharges of wastewater, materials, or wastes which are not otherwise authorized by this Order, to a storm drain system or waters of the State are prohibited.
3. The discharge of floating oil or other floating materials from any activity that may cause deleterious bottom deposits, turbidity or discoloration in surface waters is prohibited.
4. Discharge of ship ballast water from the ships Bay Ship and Yacht has control of outside of the dry dock is prohibited. This prohibition shall not apply when vessels are introduced into the dry dock on an emergency basis, such as to prevent sinking, or leakage of oil or other materials.
5. Discharge of pressure washing water, ship ballast water, boiler drainage water or any process water that is used or accumulated in the dry dock to Waters of the State during the repair processes is prohibited.

B. Effluent Limitations

1. The discharge of waste E-001 shall not exceed those quantities remaining after the following measures have been taken: prior to the submergence of any portion of the floating dry dock, the discharger shall remove spent abrasives, paint residues, and other debris from those portions of the dry dock floor which are reasonably accessible, to a degree achievable by scraping and broom cleaning. After vessel has been

removed from a dry dock, the remaining areas of the floor which were previously inaccessible shall be cleaned by scraping and broom cleaning as soon as practical, and prior to the introduction of another vessel. This provision shall not apply in any cases wherein a vessel must be introduced into the dry dock on an emergency basis, such as to prevent sinking, or leakage of oil or other materials. The Executive Officer shall be notified in such cases.

C. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
 - b. Bottom deposits or aquatic growths;
 - c. Alteration of temperature, turbidity, or apparent color beyond present natural background levels;
 - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin;
 - e. Toxic or deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.
2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the water surface:
 - a. Dissolved Oxygen 5.0 mg/l minimum.

Median of any three consecutive months shall not be less than 80% saturation. When natural factors cause lesser concentrations than those specified above, then this discharge shall not cause further reduction in the concentration of dissolved oxygen.
 - b. pH Variation from natural ambient pH by more than 0.5 pH units.
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Board as required by the Federal Water Pollution Control Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section

303 or the Federal Water Pollution Control Act or amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.

D. Provisions

1. Sediment Quality Monitoring Study

The discharger shall submit a sediment quality monitoring study proposal two months after the date of adoption of this order. The study shall be designed to monitor the sediment quality around the dry dock facility on a quarterly basis for concentrations of total organotins, copper, lead, zinc, and toxicity as determined by a solid phase sediment bioassay employing an amphipod test specie. At least two sediment locations per dry dock shall be sampled, and results of samplings shall be compared with a reference sediment sample site in a location which can presumed to be free from the effects of the discharger's activities and other potential impacts.

2. In the event that the first year of sediment monitoring results indicate no significant impact to the sediment in the vicinity of the dry dock by comparison with the reference sediment station, to the satisfaction of the Executive Officer of the Regional Board, the sediment monitoring frequency shall be reduced from quarterly to semi-annually.
3. The discharger shall conduct monitoring in accordance with the attached Self-Monitoring Program as adopted by the Board. The Self-Monitoring Program may be amended by the Executive Officer pursuant to 40CFR122.62, 122.63, and 124.5.
4. This Order includes the attached "Standard Provisions, Reporting Requirements and Definitions" dated August 1993.
5. All applications, reports, or information submitted to the Regional Board shall be signed and certified pursuant to Environmental Protection Agency regulations (40 CFR 122.41K).
6. The discharger shall notify the Regional Board if any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited by this Order.
7. This permit may be modified prior to the expiration date to include effluent limitations for toxic constituents determined to pose a reasonable potential to cause or to contribute to exceedences of water quality standards.
8. This Order expires on July 15, 2003. The discharger must file a Report of Waste Discharge in accordance with Title 23 of the California Code of Regulations, not later than 180 days in advance of such date as application for reissuance of new waste discharge requirements.

9. This Order shall serve as National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall become effective on the date of adoption provided the Regional Administrator, Environmental Protection Agency, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.
10. The discharger shall comply with all sections of this Order immediately upon adoption.

I, Loretta K. Barsamian, Executive Officer do hereby certify the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on August 19, 1998.

A handwritten signature in cursive script, appearing to read "Loretta K. Barsamian", with the word "for" written in smaller letters below the signature.

LORETTA K. BARSAMIAN
Executive Officer

Attachments:

Area Map
Standard Provisions & Reporting Requirements, August 1993
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

BAY SHIP & YACHT COMPANY
ALAMEDA, ALAMEDA COUNTY

NPDES NO. CA0030121
ORDER NO. 98-079

CONSISTS OF

PART A, Dated 8/93
AND
PART B

Part B

I. DESCRIPTION OF SAMPLING STATIONS

A. Drydock Area

<u>Station</u>	<u>Description</u>
E-001	The entire floor area of Dry Dock No.1 which is submerged during vessel release.

II. SCHEDULE OF SAMPLING AND ANALYSIS

The schedule of sampling and analysis shall be as follows:

<u>Station</u>	<u>Constituent</u>	<u>Minimum Frequency of Analysis</u>
E-001	---	Prior to the submergence of any portion of the dry dock, adequacy of the cleanliness of areas will be observed, certified, and recorded, indicating the dates and times of dry dock use, observations and submergence.
	Sediment	Quarterly/Semi-annually ¹

Note 1: In the event that the first year of quarterly sediment monitoring results indicate no significant impact to the sediment in the vicinity of the dry dock by comparison with the reference sediment station, to the satisfaction of the Executive Officer of the Regional Board, the sediment monitoring frequency shall be reduced from quarterly to semi-annually.

I, Loretta K. Barsamian, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Order No. 98-079.
2. Is effective on August 19, 1998.

3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer, pursuant to 40 CFR 122.62 and 124.4.


for
LORETTA K. BARSAMIAN
Executive Officer